

Table C-110. Federal obligations for applied research, by detailed field of science and engineering: fiscal years 1982-92

[Dollars in millions]

Field of science and engineering	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Total, all fields	7,540.6	7,993.4	7,911.4	8,314.7	8,349.1	8,998.1	9,176.5	10,163.5	10,336.8	11,797.6	12,000.7
Life sciences, total	2,219.5	2,286.6	2,348.3	2,575.9	2,605.5	2,979.5	3,222.7	3,579.4	3,652.3	4,188.4	4,068.8
Biol & agricultural, total	1,137.0	1,135.6	1,150.3	1,239.8	1,318.4	1,488.1	1,718.0	1,917.2	1,959.4	2,223.0	2,116.0
Biol (excl environmental)	678.1	683.7	727.3	779.3	841.9	1,040.5	1,266.8	1,336.0	1,402.5	1,589.3	1,453.2
Environmental biology	100.4	101.0	129.2	134.6	138.3	148.6	154.2	210.5	174.0	272.8	309.4
Agricultural	358.6	351.0	293.8	325.8	338.1	299.1	297.0	370.7	382.9	360.9	353.4
Medical sciences, total	979.6	1,048.5	1,097.5	1,223.1	1,163.8	1,323.8	1,367.8	1,514.1	1,532.7	1,602.6	1,778.9
Life sciences, n.e.c.	102.9	102.4	100.4	113.0	123.3	167.6	136.9	148.1	160.2	362.9	173.9
Psychology, total	128.5	147.9	158.8	194.3	201.0	222.4	212.0	234.5	233.5	256.9	175.6
Biological aspects	26.7	31.8	37.1	43.2	43.1	49.1	52.9	60.8	65.3	72.0	20.3
Social aspects	64.4	71.8	74.3	96.0	98.3	108.9	108.4	111.8	116.5	128.2	84.1
Psychological sci, n.e.c.	37.4	44.3	47.4	55.1	59.7	64.4	50.7	61.9	51.7	56.7	71.2
Physical sciences, total	1,106.5	1,304.3	1,241.0	1,230.8	1,154.6	1,156.6	1,117.7	1,198.8	1,147.2	1,353.9	1,487.7
Astronomy	4.7	3.0	2.7	14.1	15.1	17.7	12.3	17.3	17.2	19.3	9.4
Chemistry	169.2	158.1	203.0	225.4	229.0	235.2	232.3	278.0	259.6	289.7	339.6
Physics	819.8	999.5	915.0	856.1	802.6	781.4	769.8	795.5	780.6	816.0	970.7
Physical sciences, n.e.c.	112.9	143.7	120.3	135.2	107.9	122.4	103.3	108.0	89.8	228.9	168.1
Environmental sciences, total	628.3	671.2	619.2	704.0	732.6	730.6	734.3	756.3	899.3	886.3	904.0
Atmospheric sciences	262.6	288.1	242.0	276.8	280.9	309.1	307.1	271.6	329.7	353.7	332.0
Geological sciences	180.1	155.2	161.0	179.0	178.4	175.6	174.3	207.8	221.4	229.7	209.2
Oceanography	106.8	147.9	143.4	179.3	205.4	177.6	190.9	198.4	220.4	201.0	248.9
Environmental sci, n.e.c.	78.7	80.0	72.9	69.0	67.9	68.3	61.9	78.5	127.8	101.7	113.8
Math & computer sci, total	185.0	211.3	199.5	314.9	322.0	334.3	329.6	389.7	433.9	477.6	678.9
Mathematics	37.3	32.6	37.1	53.4	42.1	46.1	52.5	68.3	65.0	63.2	90.5
Computer sciences	103.5	124.1	109.7	164.2	171.0	169.3	167.2	205.1	336.9	361.4	524.0
Math & computer sci, n.e.c.	44.3	54.6	52.7	97.3	108.9	118.9	109.9	116.3	31.9	52.9	64.3
Engineering, total	2,776.1	2,827.5	2,779.1	2,733.4	2,770.4	2,916.8	2,950.2	3,258.4	3,125.1	3,710.8	3,727.1
Aeronautical	614.7	679.9	634.9	546.5	549.3	573.0	570.8	658.9	657.5	760.0	629.5
Astronautical	245.9	271.1	344.4	383.2	474.4	575.9	526.9	618.5	518.5	583.4	536.0
Chemical	59.9	94.6	88.9	179.9	172.8	138.3	169.5	92.2	166.0	202.6	192.5
Civil	169.9	156.0	161.0	173.0	157.8	158.7	168.7	178.1	270.4	245.7	276.9
Electrical	518.6	519.1	499.7	481.9	518.1	610.9	577.1	669.3	493.1	587.4	593.6
Mechanical	148.1	205.7	126.3	178.8	153.0	146.2	157.2	156.5	176.9	220.0	223.4
Metallurgy & materials	153.2	149.6	153.7	227.4	216.6	152.2	226.6	266.2	294.3	416.1	453.6
Engineering, n.e.c.	865.7	751.4	770.1	562.8	528.5	561.6	553.3	618.8	548.4	695.4	821.6
Social sciences, total	265.7	297.5	303.8	319.3	302.0	350.5	339.0	396.4	484.0	566.0	549.8
Anthropology	1.5	1.6	1.7	2.1	2.4	2.9	2.2	1.8	1.9	3.3	3.1
Economics	118.2	124.6	117.6	125.4	105.0	119.6	124.8	129.1	160.1	150.1	172.3
Political science	3.2	6.6	6.7	8.9	7.5	5.8	7.1	8.1	6.8	10.0	16.1
Sociology	33.3	35.0	36.3	34.0	37.0	39.6	45.0	55.9	92.0	155.7	70.5
Social sciences, n.e.c.	109.6	129.8	141.4	148.9	150.2	182.6	159.9	201.6	223.3	246.9	287.9
Other sciences, n.e.c.	231.0	247.1	261.7	242.2	260.9	307.4	271.0	350.0	361.5	357.8	408.8

KEY: n.e.c. = Not elsewhere classified

NOTES: Because of rounding, detail may not add to totals.

Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields (such as psychology) in fiscal year 1992 seems to be underreported.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2001, 2002, and 2003